Colby Hill

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Education

University of South Carolina, Columbia, SC   May 2020
Bachelor of Science in Computer Science
GPA: 3.96 / 4.00 (Major GPA: 4.00 / 4.00) | Leadership Distinction

Experience

Capital One   *June 2020 - August 2020*
Incoming Software Engineering Intern   McLean, VA

Krumware   *August 2019 - Current*
Software Development Intern   Columbia, SC
- Leading the migration to Rancher which enables Multi-Cloud Computing and improves application availability
- Automating Kubernetes deployments and resource management workflow
- Developing and testing Express backends for feature-rich web applications
- Utilizing Swagger UI to create visual and interactive API documentation
- **Technologies Used:** Node, Express, MongoDB, Docker, Rancher, Kubernetes, Jenkins, AWS, GitHub Actions

Boeing   *May 2019 - August 2019*
Software Engineering Intern   Seattle, WA
- Architected and deployed two serverless identity management applications into production
- Maximized development efficiency by leveraging continuous integration and deployment pipelines
- Implemented solutions to assist the collection, modification, and publication of identity data
- Designed and engineered a homepage for the Identity & Directory Services team
- **Technologies Used:** Spring Boot, Angular, SQL, HTML5, CSS3, Gradle, Pivotal Cloud Foundry, GitLab CI/CD

University of South Carolina   *November 2017 - May 2019*
Research Assistant   Columbia, SC
- Effectively led and managed a team to ensure optimal application development
- Developed an Android Wear smartwatch application to detect and record smoking gestures
- Boosted smartwatch battery lifespan by over 300% through the optimization of communication and analysis
- Showcased the application at Discover USC and Arnold School of Public Health
- **Technologies Used:** Java, Android Wear, Python, Gradle, Matlab

Projects

Outdoorist: iPhone/iPad app published to the App Store and built with Swift for tracking outdoor adventures, visualizing previous adventure data, and planning trips (January 2020)
UofSC AR Tour: Collaborated with a small team of students to design and develop an iOS app that enables Augmented Reality historical tours of the University of South Carolina (August 2019)
Survey Assistant: Script that eliminated 30 hours per week of manual data entry and automated the aggregation of patient response data for a large scale counseling research study (February 2018)

Awards and Activities

USC Achievement Scholarship, South Carolina Life Scholarship, USC Integration Bee: 1st place, Phi Beta Kappa Honor Society, Tau Beta Pi Honor Society, Association for Computing Machinery, Active Minds